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Imagery analysis report

Summary of SAM Activity in the Four Northern Military Regions in China

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SUMMARY OF SAM ACTIVITY IN THE FOUR NORTHERN MILITARY REGIONS IN CHINA JANUARY 1978 – SEPTEMBER 1980 (S)

ABSTRACT

1. (S/D) This report discusses surface-to-air (SAM) missile activity in the four northern military regions (MRs) of China (Shenyang, Beijing, Lanzhou, and Urumqi) from January 1978 through September 1980. It describes the newly identified sites, changes in the status of existing sites, and significant SAM activity during the reporting period. The report contains five location maps, six photographs, and six tables.

INTRODUCTION

2. (S/D) As of [] there was a total of 64 operational/occupied CSA-1 SAM sites* in the four northern MRs (Figure 1). Twelve were occupied and/or operational in Shenyang MR, 37 in Beijing MR, 12 in Lanzhou MR, and three in Urumqi MR. Regional SAM support facilities included three storage depots and a support/maintenance facility in Beijing MR and two storage depots in Lanzhou MR. To date no regional SAM support facilities have been identified in the Shenyang and Urumqi MRs.

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3. (S/D) The three SAM training facilities and a SAM research and development test complex in Lanzhou MR are not discussed in this report.

BASIC DESCRIPTION

Shenyang Military Region

4. [] SAM activity is concentrated in three areas of Shenyang MR: in the north near the area of the 23rd Army¹ around Harbin, Qiqihar, and Mudanjiang; in the region surrounding Shenyang city; and along the Liaotung Peninsula near Luda (Figure 2 and Table 1). Since [] six new sites have been identified in the region. One of these sites was still under construction, and two had apparently been abandoned. Two previously existing sites were also abandoned during the period. The total number of

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*In this report, an operational SAM site is defined as one containing a guidance control radar and at least three CSA-1 launchers.

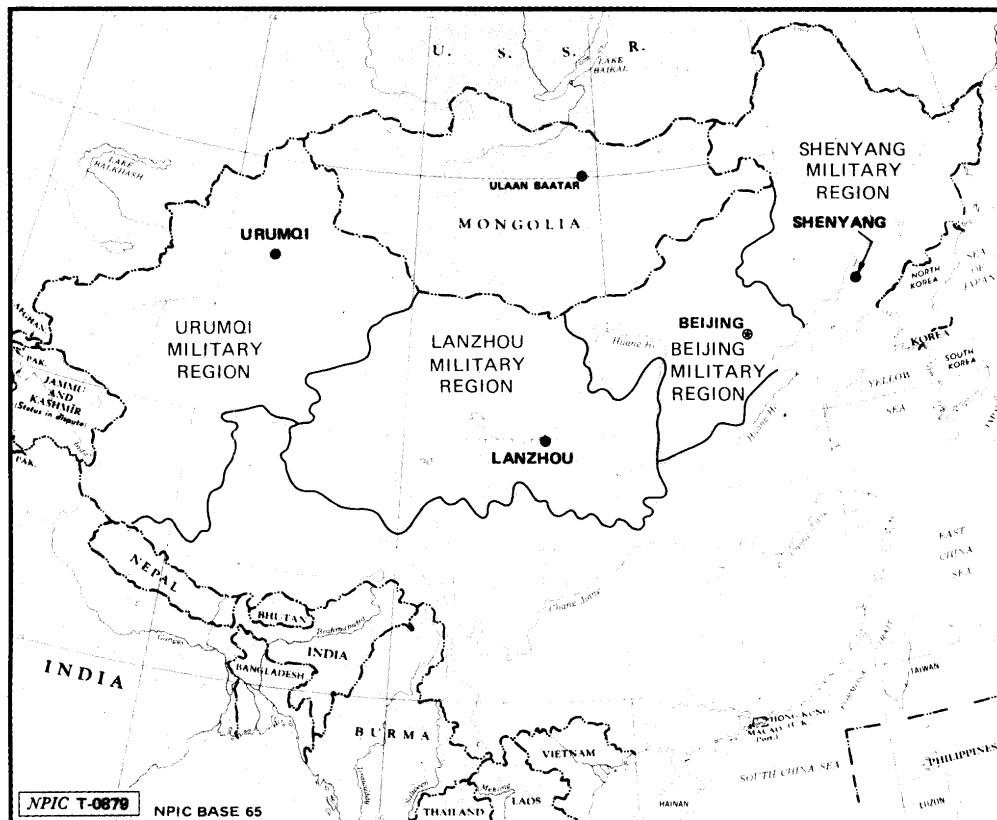


FIGURE 1. MAP OF SHENYANG, BEIJING, LANZHOU, AND URUMQI MRs, CHINA

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Table 1.
SAM Sites in Shenyang Military Region, China
(Items keyed to Figure 2)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle on Latest Coverage	Remarks
1	Qiqihar SAM Site E04-21	47-56-05N 124-33-00E	Abn			Moved 80 meters NNW of original location; upgraded to link-patterned site in 79; extensive training & missiles usually observed; revetments deteriorated, & site appeared abandoned on [redacted]
2	Harbin SAM Site D05-21	46-09-20N 127-10-35E	Abn			Abandoned [redacted]
3	Harbin SAM Site A23-21	45-40-15N 126-31-50E	Abn			Abandoned [redacted]
4	Mudanjiang SAM Site D22-21	44-07-20N 129-12-52E	Opr		1 CSA-1 msl 6 CSA-1 launchers 7 CSA-1 msl transporters	Launch area moved approximately 620 m; support facilities remained the same
5	Fuxin SAM Site C09-21	42-00-56N 122-12-19E	Opr		12 CSA-1 msls on transporters 6 CSA-1 launchers 12 CSA-1 transporters	Beginning [redacted] launch & support equipment for two CSA-1 sites was observed; only a partial complement of equipment for 1 site was previously seen
6	Shenyang SAM Site C04-21	42-06-15N 123-41-02E	Opr		6 CSA-1 launchers	
7	Fushun SAM Site D08-21	42-00-32N 124-36-29E	Opr		6 CSA-1 launchers	
8	Benxi SAM Site B10-21	41-15-46N 124-10-26E	Opr		6 CSA-1 launchers	
9	Anshan SAM Site A22-21	41-03-25N 122-54-30E	Opr		9 CSA-1 msls on transporters 6 CSA-1 launchers 4 CSA-1 msl transporters	
10	Anshan SAM Site B23-21	41-00-19N 122-48-12E	Opr		6 CSA-1 launchers	
11	Luda SAM Site A03A-21	39-03-50N 121-44-16E	Opr		6 CSA-1 launchers 12 CSA-1 msl transporters 3 canister transporters	Increase in number of CSA-1 msls & equipment in early 79, sufficient for 2 sites; site unoccupied [redacted] equipment for 1 site had returned by [redacted]
12	Luda SAM Site C04-21	39-19-13N 121-57-51E	Opr		4 CSA-1 msls 6 CSA-1 launchers 9 CSA-1 msl transporters 2 canister transporters	
13	Luda SAM Site A03-21	39-03-35N 121-44-12E	Abn			Field-deployed site has deteriorated; SAM equipment probably moved to nearby Luda SAM Site A03A-21; abandoned [redacted]
14	Luda SAM Site A36-21	39-00-20N 121-37-40E	Opr		3 CSA-1 msls on transporters 4 CSA-1 msl transporters 1 canister transporter	

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Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle on Latest Coverage	Remarks
15	Luda SAM Site C04B-21	39-19-15N 121-56-35E	Opr		6 CSA-1 launchers 12 CSA-1 msl transporters	
16	Luda SAM Site C26-21	38-47-08N 121-09-36E	Opr		6 CSA-1 launchers 5 CSA-1 msl transporters 1 CSA-1 canister transporter	
17	Luda SAM Site B30-21	39-00-15N 121-24-00E	Uco		None discernible	

*Abn—Abandoned, Opr—Operational, Uco—Under construction



FIGURE 2. MAP SHOWING LOCATIONS OF SAM SITES IN SHENYANG MR

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operational sites increased during the period from 11 to 12. All 12 of these sites have an onsite SAM support facility adjacent to the launch areas.

5. (S/D) Of the 12 operational SAM sites in Shenyang MR, three were identified during the reporting period: one at Anshan near the city of Shenyang and two in the Luda area.

6. (S/D) Anshan SAM Site A22-21, identified on imagery of [] is approximately 60 nautical miles (nm) southwest of Shenyang (Figure 3). With the identification of this site, the number of operational sites in the Shenyang city area increased from five to six during the period.

7. (S/D) The newly identified Luda SAM Site A03A-21 has apparently replaced the abandoned Luda SAM Site A03-21, which is immediately adjacent. The now-abandoned, field-deployed site is used as a support and vehicle storage area for the new site (Figure 4), which is also field deployed.

8. (S/D) Qiqihar SAM Site E04-21, when first identified on imagery of [], had only unrevetted launch positions; however, by [] the site had moved and had been upgraded to a link-patterned, revetted site. Extensive training apparently took place here during 1979. On imagery of [] the site appeared to have been abandoned. No SAM-related equipment was discernible, and the revetments appeared to have deteriorated. The adjacent barracks/support area appeared to be occupied and well maintained (Figure 5).

9. (S/D) Additionally, one of the six new sites identified during the period, Harbin SAM Site D05-21, was observed occupied only once, on imagery of []. Six weeks later, on imagery of [] the site appeared to have been completely abandoned. The SAM equipment seen on [] may have come from nearby Harbin SAM Site A23-21, where all the CSA-1 launchers and other missile support equipment were observed in a transitory mode in the support area on imagery of []. Neither Harbin SAM Site A23-21 nor Harbin SAM Site D05-21 was discernible when these areas were covered on cloud-free imagery of []. The current location of the SAM equipment is not known.

10. (S/D) Luda SAM Site A36-21, a link-patterned site, was first observed under construction in mid-1979 (Figure 6). By [] construction had been completed, and the site was fully occupied. The launch positions are revetted and hardened, and the support area is adjacent to the launch site.

11. (S/D) A new hardened CSA-1 site, Luda SAM Site B30-21, was identified under construction on imagery of []. It is just southeast of the Yingchengzi Airfield [], 10.5 nm northwest of Luda. An onsite support area was also observed under construction. No missiles or missile-related equipment was observed (Figure 7).

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12. (S/D) Of the 12 operational SAM sites in Shenyang MR, CSA-1 missiles were identified during the period at nine of the sites: Anshan SAM Site A22-21, Benxi SAM Site B10-21, Fushun SAM Site D09-21, Fuxin SAM Site C09-21, Luda SAM Site A03A-21, Luda SAM Site A36-21, Luda SAM Site C04-21, Mudanjiang SAM Site D22-21, and Qiqihar SAM Site E04-21. An increase in CSA-1 missiles and other related equipment was observed at five of these sites during 1979 (Table 2).

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13. (S/D) During the Vietnam incursion in early 1979, activity increased at two SAM sites. At Fuxin SAM Site C09-21, 11 CSA-1 missiles were observed on transporters on imagery of [redacted]. Only one had been observed previously. Subsequently, launch and support equipment sufficient for two CSA-1 battalions was observed at this site. Only a partial complement of equipment for one CSA-1 battalion had been identified there before.

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14. (S/D) Activity also increased at Luda SAM Site A03A-21 in early 1979. The number of CSA-1 missiles observed increased from one on imagery of [redacted] to six on [redacted]. After this increase, however, the site was unoccupied on [redacted]. No missile-related equipment was seen, and the site appeared to have been abandoned. By [redacted] most of the equipment had been returned to the site, but CSA-1 missiles have not been identified there since [redacted].

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15. (S/D) The number of missiles identified at Anshan SAM Site A22-21, Luda SAM Site C04-21, and Qiqihar SAM Site E04-21 also increased in 1979. Imagery of these sites, however, was not acquired during the Vietnam incursion.

16. (S/D) Other activity in Shenyang MR during the period included the relocation of Mudanjiang SAM Site D22-21. The launch area (Figure 8) was moved approximately 620 meters and is now just southeast of the abandoned Mudanjiang/Dongjingcheng Airfield [redacted]. The support facilities remained at the same location.

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17. (S/D) A SAM training exercise was observed on imagery of [redacted] approximately 10 nm northwest of Nongan and 125 nm southwest of Harbin. The exercise involved four field-deployed CSA-1 SAM sites with no permanent support facilities. Major elements of four SAM battalions were identified. No SAM activity had been observed on [redacted] coverage.

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Beijing Military Region

18. (S/D) SAM sites in the Beijing MR are deployed primarily within 100 nm of the city of Beijing (Figure 9 and Table 3). The sites are generally arranged in concentric rings around the city. Other areas of

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Table 2.
Dates of CSA-1 Missile Identifications at SAM Sites in Shenyang Military Region

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Name	Dates	NIIRS	Number of Missiles Identified			Total
			Confirmed	Probable	Possible	
Anshan SAM Site A22-21			6			6
			1			1
			2			2
			1	7		8
			7			7
Benxi SAM Site B10-21					9	9
			1	1	2	4
				1	1	2
Fushun SAM Site D08-21			2			2
Fuxin SAM Site C09-21			11			11
			2			2
			12			12
Luda SAM Site A03A-21			6			6
					1	1
			1			1
Luda SAM Site A36-21			3			3
Luda SAM Site C04-21			1			1
			6			6
			6			6
			2			2
			9			9
Mudanjiang SAM Site D22-21			4			4
			1			1
Qiqihar SAM Site E04-21			9			9
			6			6
			3	3	1	7
						0

deployment are near Baotou, an important manufacturing city 250 nm south of the Sino-Mongolian Border, and Shijiazhuang in Shanxi Province.

19. (S/D) Activity during the period apparently was intended to provide additional protection for the MR from the north. Since [] six new sites have been identified in the region, four of which fill gaps directly north of Beijing. One site provides direct protection from the north for the city of Baotou.

20. (S/D) Two sites were relocated during the period. This involved the simple redeployment of equipment from temporary sites into permanent sites as construction on the permanent sites was completed.

21. (S/D) The total number of operational/occupied sites increased from 31 to 37 during the reporting period.

22. (S/D) Beijing SAM Site C36-21, identified on imagery of [] is 26.6 nm due north of Beijing and within the innermost SAM defensive ring. The site provides Beijing with close-in protection to the north, where a gap previously existed.

23. (S/D) Three sites identified on imagery of [] within the vicinity of Fengning are approximately 80 nm north of Beijing and 250 nm south of the Sino-Mongolian Border. The sites—Fengning SAM Site C14-21, Fengning SAM Site C18-21, and Fengning SAM Site A25-21—fill a previous gap in the outermost defensive ring directly north of Beijing.

24. (S/D) Baotou SAM Site B03-21, identified on imagery of [] is 24.1 nm north of Baotou. This is one of three operational sites in the Baotou area and is one of two protecting the city from the north.

25. (S/D) Tianjing SAM Site C21-21, 23 nm south-southwest of Tianjin, was observed under construction on imagery of []. Construction appeared to be complete by May 1979. This is the fourth operational site within 25 nm of Tianjin.

26. (S/D) Baotou SAM Site C31A-21 was observed occupied for the first time on imagery of []. The equipment was moved from the adjacent field-deployed temporary site (Baotou SAM Site C31-21). The site is 23 nm northwest of Baotou.

27. (S/D) Beijing SAM Site C06A-21 was observed under construction in March 1978 adjacent to the temporary Beijing SAM Site C06-21. By [] all equipment had been moved into the permanent

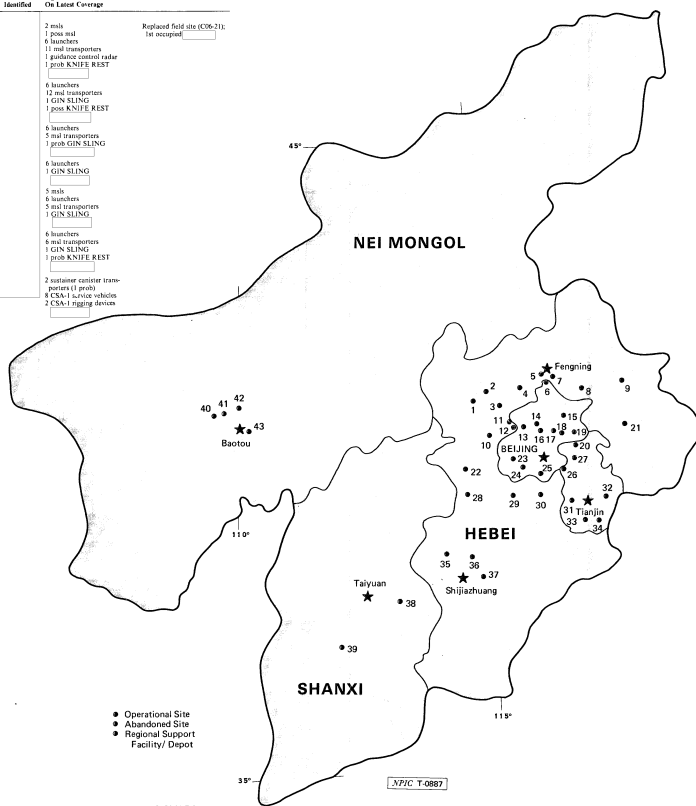
Table 3.
SAM Sites & Regional SAM Support Facilities in Beijing Military Region, China
(Items keyed to Figure 9)

This table in its entirety is classified SECRET/WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status *	Date Identified	Significant Order-of-Battle On Latest Coverage	Remarks
1	Zhangjiakou SAM Site B13-21	40-43-11N 115-06-26E	Opr		1 msl 2 msl transporters 6 launchers 1 prob GIN SLING radar	
2	Chicheng SAM Site A16-21	40-51-14N 115-51-28E	Opr		2 msls 6 launchers 5 msl transporters 1 guidance control radar	
3	Zhangjiakou SAM Site D10A-21	40-45-51N 115-33-53E	Opr		3 msls 1 prob msl 6 launchers 6 msl transporters 1 prob msl transporter 1 GIN SLING	
4	Chicheng SAM Site B05-21	41-07-30N 116-05-16E	Opr		1 msl 6 launchers 6 msl transporters 1 GIN SLING	
5	Fengning SAM Site A25-21	41-08-40N 116-31-10E	Opr		4 msls 6 launchers 11 msl transporters 1 GIN SLING 1 KNIFE REST radar	
6	Fengning SAM Site C18-21	40-50-50N 116-41-40E	Opr		1 msl 6 launchers 12 msl transporters 1 prob GIN SLING	
7	Fengning SAM Site C14-21	40-53-40N 116-59-10E	Opr		5 launchers 11 msl transporters 1 GIN SLING 1 poss KNIFE REST	
8	Chengde SAM Site C27A-21	40-54-42N 117-19-18E	Opr		6 launchers 3 msl transporters 1 prob GIN SLING	
9	Chengde SAM Site B10-21	40-57-08N 118-16-44E	Opr		6 launchers 3 msl transporters 1 guidance control radar	
10	Beijing SAM Site E30A-21	40-13-19N 115-24-59E	Opr		6 launchers 1 msl transporter 1 GIN SLING 1 SLOT REST radar	
11	Beijing SAM Site E31-21	40-18-07N 115-38-10E	Opr		6 launchers 1 msl transporter 1 GIN SLING	9 KMM truck-mounted tread-way bridges in support area on [] probably related to river-crossing exercise in adjacent reservoir
12	Beijing SAM Site D32-21	40-21-00N 115-53-00E	Opr/ Nop		6 launchers (1 in travel mode) 12 msl transporters	Operational when previously observed on []
13	Beijing SAM Site D33-21	40-27-23N 116-01-10E	Opr		6 launchers 3 msl transporters 1 GIN SLING 1 QDD LOT radar	
14	Beijing SAM Site C36-21	40-21-19N 116-21-06E	Opr		5 launchers 11 msl transporters 1 prob GIN SLING 1 prob KNIFE REST	
15	Beijing SAM Site C03-21	40-21-10N 116-41-02E	Opr		1 msl 2 poss msls 6 launchers 7 msl transporters 1 guidance control radar	
16	Beijing SAM Support and Maintenance Facility	40-23-30N 116-22-40E	Opr		4 sustainer canister transporters 21 sustainer canisters 17 fin boxes	
17	Beijing SAM Site C06-21	40-11-24N 116-51-07E	Abn			Redesignated C06A-21; abandoned []

*Opr—Operational, Abn—Abandoned, Ocp—Occupied, Nop—Not operational

Item No	Name & BE No	Geographic Coordinates	Status	Date Identified	Significant Order of Battle On-Lane Coverage	Remarks
18	Beijing SAM Site (C18-2)	40-12-23N 116-21-00E	Opr		2 missiles 1 post mt 6 launchers 12 mil transporters 1 guidance control radar 1 prob KNIFE REST	Replaced field site (C18-21); in occupied
19	Beijing SAM Site (C17-2)	40-06-45N 116-29-20E	Opr		6 launchers 12 mil transporters 1 GIN SLING 1 prob KNIFE REST	
20	Beijing SAM Site (D18-2)	39-39-43N 117-43-30E	Opr		6 launchers 5 mil transporters 1 prob GIN SLING	
21	Tangshan SAM Site (D16-2)	40-12-18N 118-06-47E	Opr		6 launchers 1 GIN SLING	
22	Xiheyang SAM Site (A19A-2)	39-52-41N 114-44-55E	Opr		5 missiles 6 launchers 5 mil transporters 1 GIN SLING	
23	Beijing SAM Site (C18-3)	38-38-42N 115-52-40E	Opr		6 launchers 6 mil transporters 1 GIN SLING 1 prob KNIFE REST	
24	Tianjin SAM/Underground Storage Depot	39-30-00N 115-49-40E	Opr		2 sustainer/canister transporters (1 prob) 8 CSA-1 service vehicles 2 CSA-1 rigging devices	



KEYED TO TABLE 3

FIGURE 9. MAP SHOWING LOCATIONS OF SAM FACILITIES IN BEIJING MR

Item No	Name & BE No	Geographic Coordinates	Status	Date Identified	Significant Order of Battle On-Lane Coverage	Remarks
25	Beijing SAM Site (C18-2)	39-33-30N 116-24-47E	Opr		6 launchers 5 mil transporters 1 GIN SLING	Observed to occupy for 1st time
26	Beijing SAM Site (C14-2)	39-34-37N 116-45-32E	Opr		6 launchers 3 mil transporters 1 GIN SLING 1 prob KNIFE REST	
27	Beijing SAM Site (D12-2)	39-48-18N 117-42-35E	Opr		6 launchers 1 mil transporter 3 mil sustainer/canister transporters 3 prob mil transporters 1 prob GIN SLING	
28	Taiyuan SAM Site (A13-2)	38-23-30N 114-29-15E	Opr		2 battalions of equipment 1 prob mt 12 launchers 1 prob mt transporter 1 prob mt sustainer/canister transporter 1 prob GIN SLING	3 battalions present on 1st time 1st battalion 1st unit to be absent
29	Beijing SAM Site (F23-2)	39-21-58N 115-32-57E	Opr		3 launchers 3 closed launcher "coconuts" (abandoned launcher trailers) 1 mil transporter 1 prob guidance control radar 1 prob KNIFE REST	2 mm NE at Tangshan-pul Army Bk AL 1 6 launchers, 5 mil transporters, 4 complete guidance control radar complete were present; equipment 1st seen to be absent
30	Beijing SAM Site (D20-2)	38-22-36N 116-07-40E	Opr		6 launchers 1 GIN SLING	
31	Tangshan SAM Site (B18-2)	39-08-30N 116-47-00E	Opr		6 launchers 11 mil transporters 1 GIN SLING 1 prob KNIFE REST	
32	Tangshan SAM Site (A36-2)	36-07-49N 117-37-24E	Opr		6 launchers 1 prob GIN SLING	
33	Tangshan SAM Site (C21-2)	38-46-52N 117-09-13E	Opr		6 launchers 2 mil transporters 1 GIN SLING 1 prob KNIFE REST	
34	Tangshan SAM Site (B12-2)	38-51-36N 117-26-08E	Opr		6 launchers 2 mil transporters 1 prob GIN SLING 1 prob KNIFE REST	
35	Shijiazhuang SAM Site (C12-2)	38-17-00N 114-08-56E	Opr		6 launchers 1 prob GIN SLING	
36	Shijiazhuang SAM Site (C18-2)	38-21-42N 114-41-22E	Opr		6 launchers 1 transporter 1 guidance control radar	
37	Shijiazhuang SAM Site (C10-2)	37-39-43N 114-55-20E	Opr		5 missiles 6 launchers 1 GIN SLING	
38	Taiyuan/Shouyang SAM Depot	37-52-20N 113-09-00E	Opr		183 mil transporters 47 sustainer/canister transporters	Order-of-battle range for 17th was 49-70 mil transporters & 2-17 sustainer/canister transporters
39	Jinxi SAM Depot	36-57-50N 111-59-45E	Opr		21 CSA-1 service vehicles/trucks 1 post mt/rigging	
40	Baotou SAM Site (C13A-2)	40-48-37N 109-37-41E	Opr		6 launchers 3 mil transporters 1 GIN SLING	Observed for 1st time when equipment moved from field-deployed site (C13A-21); abandoned
41	Beijing SAM Site (C13-2)	40-48-21N 109-37-57E	Abn			Equipment moved to C13A-21; abandoned
42	Baotou SAM Site (B03-2)	40-55-20N 110-04-20E	Opr (prob)		5 launchers 1 prob launcher 12 mil transporters 1 prob mil transporter	Guidance control radar not discernible on imagery of limited interpretability
43	Baotou SAM Site (A11-2)	40-31-41N 110-07-30E	Opr		6 launchers 1 mil transporter 1 GIN SLING	

Table 4.
SAM Sites & Regional SAM Support Facilities in Lanzhou Military Region, China
(Items keyed to Figure 10)
This table in its entirety is classified SECRET//WNINTEL

Item No	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle or Latest Coverage	Remarks
1	Yumen SAM Site A12A-21	40-13-07N 97-12-13E	Opr		6 launchers 5 mil transporters 1 prob GIN SLING 1 prob KNIFE REST	
2	Chih-chin-hua SAM Site	40-08-40N 97-15-10E	Abn			Abandoned
3	Yumen SAM Site B13-21	40-09-20N 97-15-20E	Opr		4 mals 6 launchers 10 mil transporters 1 GIN SLING 1 SCOT REST 1 KNIFE REST	Unrevetted, field-deployed site, unoccupied. Equipment may have deployed to Chih-chin-hua Bks Area NE. on that date; site reoccupied on
4	Haiyuan SAM Site B25A-21	36-49-09N 100-45-46E	Opr		6 launchers 1 mil transporter 1 GIN SLING	
5	Lanzhou SAM Site G16A-21	36-59-10N 103-18-10E	Opr		6 launchers 1 GIN SLING 1 KNIFE REST	
6	Gongsa SAM Site A22A-21	37-17-30N 100-06-35E	Opr		6 launchers 1 mil transporter 1 GIN SLING 1 prob KNIFE REST	
7	Lanzhou SAM Site E04-21	36-38-47N 104-15-18E	Opr		5 launchers 1 prob launcher 12 mil transporters 1 prob GIN SLING 1 KNIFE REST	
8	Lanzhou SAM Site C78-21	36-13-03N 103-12-21E	Oc/ Nop		4 launchers 1 prob mil transporter	Operational on
9	Lanzhou SAM Site C78A-21	35-53-55N 103-16-28E	Opr		1 mil 6 launchers 2 mil transporters 1 GIN SLING	
10	Longji SAM Depot	34-58-55N 104-34-37E	Oc		Misc CSA-1 service vehicles, electronics van trucks, & pieces of equipment	2 sustainer canister transporters, 36 sustainer canisters, 4 prob sustainer canisters, 24 booster crates, 5 prob booster crates, & 22 fin boxes present on
11	Basji SAM Depot Underground	34-20-17N 107-04-25E	Oc		3 prob sustainer canister transporters	CSA-1 equipment, 1st since
12	Basji SAM Site B01-21	34-26-55N 107-21-33E	Opr		6 launchers 1 guidance control radar	
13	Sanyuan SAM Site A16A-21	34-39-30N 108-58-00E	Opr		6 launchers 2 mil transporters 1 GIN SLING 1 prob KNIFE REST	Probably associated with Sanyuan SAM Training Area. facility 1st observed complete & occupied on
14	Sanyuan SAM Site B08-21	34-37-10N 108-42-20E	Opr		6 launchers 11 mil transporters 1 GIN SLING 1 prob KNIFE REST	
15	Sanyuan SAM Site E28A-21	34-44-24N 108-03-18E	Opr		1 mil 6 launchers 2 mil transporters 1 prob GIN SLING	

*Opr—Operational, Abn—Abandoned, Oc—Occupied, Nop—Not operational

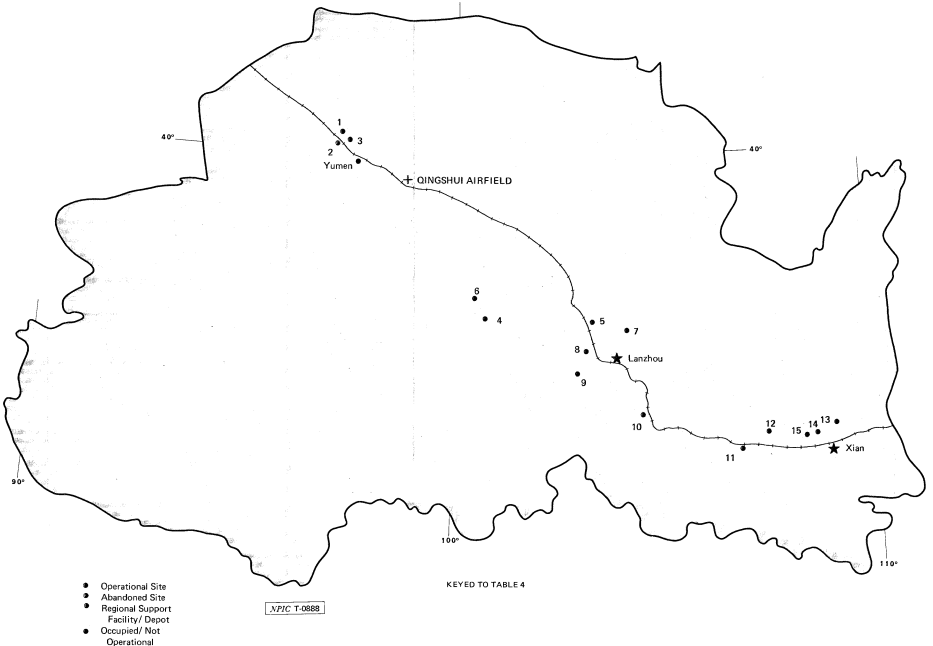


FIGURE 10. MAP SHOWING LOCATIONS OF SAM SITES AND REGIONAL SAM SUPPORT FACILITIES IN LANZHOU MR

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site, and the temporary site had been abandoned. The site is within the innermost SAM defensive ring surrounding Beijing.

28. (S/D) Imagery of [] revealed the presence of two additional battalions of SAM equipment in the support area at Laiyuan SAM Site A33-21, 80 nm southwest of Beijing. Subsequent coverage of [] revealed that only one additional battalion of equipment was at Laiyuan. On the same day, however, a second battalion of SAM equipment was seen 40 nm to the east in an unrelated barracks area near Beijing SAM Site F23-21. This site was occupied by its usual complement of equipment. The presence of additional battalions of equipment at existing sites or previously unrelated barracks facilities often precedes future deployments.

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29. (S/D) Beijing SAM Site C18-21 was observed reoccupied on imagery of [] It had been abandoned since at least July 1977. The site is 21.2 nm south of Beijing in the innermost defensive ring.

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30. (S/D) Regional SAM support facilities in Beijing MR consist of three storage depots and a SAM support and maintenance facility. Typical equipment observed at these facilities includes CSA-1 missile transporters, CSA-1 sustainer canister transporters and sustainer canisters, booster crates, fin boxes, and CSA-1 service and electronics vehicles.

31. (S/D) Taiyuan/Shouyang SAM Depot, the largest SAM depot in China, is 27.5 nm east of Taiyuan. Activity increased significantly in 1979 at this facility. The number of CSA-1 missile transporters observed increased from 49 to 183, and the number of canister transporters increased from two to 67 between late April 1978 and mid-August 1979. However, the number of service vehicles declined from 214 in late April 1978 to 16 by []

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32. (S/D) No unusual activity has been observed at Beijing SAM Support and Maintenance Facility or Jiexiu SAM Depot. A decrease in the number of canister transporters (two to seven versus the usual ten to 20) was noted at Tuoli SAM Storage Depot Underground.

Lanzhou Military Region

33. (S/D) SAM activity in the Lanzhou MR is concentrated in three areas along the railline which runs northwest/southeast, bisecting the region: in the northwest, near the city of Yumen; in east-central Lanzhou, especially within 75 nm of the city of Lanzhou; and in the southeast, in the vicinity of Xian (Figure 10 and Table 4). Most of the activity during the period was observed in the area near Yumen, approximately 175 nm south of the Sino-Mongolian Border.

34. (S/D) Since January 1978, two new sites have been identified in the region. Preparations for a possible third site were observed, but the location was later abandoned. The total number of operational sites increased from 10 to 12 during the reporting period.

35. (S/D) Sanyuan SAM Site A04-21 was observed under construction on imagery of [] just northwest of Sanyuan SAM Training Area [] a school for SAM radar/electronics operators. The site, although possessing its own onsite support facilities, appears to be related to the school. Construction of the site was observed to be complete, and the site was first observed occupied, on imagery of []

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36. (S/D) Yumen SAM Site B13-21, identified on imagery of [] is an unrevetted, field-deployed site. Support facilities are adjacent at Chih-chin-hsia Barracks Area [] and Chih-chin-hsia Storage Depot [], where CSA-1 equipment has been seen periodically since mid-1977. The site was observed unoccupied on imagery of [] On that same date, an unrevetted, field-deployed site was observed 10 nm to the northeast, adjacent to Chih-chin-hsia Barracks Area Northeast []. Four missiles, six launchers, seven missile transporters, one GIN SLING radar, and one KNIFE REST radar were among the equipment present. The equipment was absent by [] and Yumen B13 was observed reoccupied on imagery of the same day. Sustainer canisters, booster crates, and fin boxes, however, remained in the barracks area. These items had been identified in this area as early as [] suggesting a SAM association since at least that time.

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37. (S/D) Preparations for a possible permanent site, Chih-chin-hsia SAM Site, were observed near Yumen B13 in December 1978. The site was abandoned, however, when observed in September 1979.

38. (S/D) A field training exercise was observed near Qingshui Airfield [] on imagery of [] The equipment involved was deployed in two areas, with one, approximately 1.1 nm north of the reference point (RP) of the runway, apparently functioning as the support area and the other, 1.6 nm northeast of the RP, being the launch area. Aggregate equipment observed included seven missiles, three launchers, eight missile transporters, three sustainer canister transporters, a GIN SLING radar and associated electronics vans, four sustainer canisters, three probable booster crates, and three probable fin boxes. This unit may possibly have deployed from the Yumen/Chih-chin-hsia area, 75 nm to the northwest. The equipment was not observed on subsequent imagery of []

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39. (S/D) A field exercise was also observed on imagery of [] at Jiuquan Military Installation [], 50 nm east of Yumen. Three launchers were deployed around a GIN SLING guidance control radar. Four missile transporters, one probable canister transporter, and one KNIFE REST were also present.

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40. (S/D) Lanzhou MR contains two regional SAM storage depots, one near Baoji and one near Longxi. Equipment sightings are generally low at the cave-served Baoji SAM Depot Underground; however, three probable CSA-1 canister transporters, observed in May 1979, were the first confirmed SAM-related equipment seen at this facility since late 1976. CSA-1 equipment usually observed at Longxi SAM Depot includes sustainer canisters and canister transporters, booster crates, fin boxes, and service vehicles. No unusual fluctuations in numbers have been noted.

Urumqi Military Region

41. (S/D) The three operational SAM sites in Urumqi MR are all on the outskirts of the city of Urumqi (Figure 11 and Table 5). Each of the sites has support facilities collocated with the launch areas.

42. (S/D) The three sites all showed an increased level of activity during the Vietnam incursion in early 1979 (Table 6). On [] at Urumqi SAM Site A25-21, two of the six CSA-1 launchers were being loaded. On [] at Urumqi SAM Site B33-21, one of the six CSA-1 launchers was being loaded. At Urumqi SAM Site A03-21, a higher-than-usual level of activity was observed on imagery of []. Before this time, no missiles had been observed on the launchers at these SAM sites.

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Table 5.
SAM Sites in Urumqi Military Region, China
(Items keyed to Figure 11)

This table in its entirety is classified SECRET/WNINTEL

Item	Name & BE No	Geographic Coordinates	Status*	Date Identified	Significant Order-of-Battle on Latest Coverage	Remarks
1	Urumqi SAM Site B33-21 []	43-57-56N 087-26-06E	Opr		6 CSA-1 launchers 5 CSA-1 msl transporters 4 CSA-1 canister transporters []	Activity increased during Vietnam incursion
2	Urumqi SAM Site A03-21 []	43-57-04N 087-40-20E	Opr		1 CSA-1 msl 6 CSA-1 launchers 1 CSA-1 msl transporter []	Activity increased during Vietnam incursion
3	Urumqi SAM Site A25-21 []	43-46-07N 087-28-37E	Opr		6 CSA-1 launchers []	Activity increased during Vietnam incursion

*Opr—Operational

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Table 6.
Dates of CSA-1 Missile Identifications at SAM Sites in Urumqi Military Region

This table in its entirety is classified TOP SECRET RUFF

Name	Dates	NIIRS	Number of Missiles Identified			Total
			Confirmed	Probable	Possible	
Urumqi SAM Site A03-21		5	3			3
		6	7			7
		6	7			7
		3			1	1
		4		1		1
		6	1			1
		5	1			1
		4	1			1
Urumqi SAM Site A25-21		3	3		1	4
		3	1	2		3
		3	2	1		3
		4	1			1
Urumqi SAM Site B33-21		4	1			1

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FIGURE 11. MAP SHOWING LOCATIONS OF SAM SITES IN URUMQI MR

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REFERENCES

IMAGERY

(S/D) All applicable satellite imagery acquired from [redacted] was used in the preparation of this report.

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DOCUMENT

1. DIA, DDB-1100-201-80SI, SI-271429/80, *Combined Ground Order of Battle (GOB)—China (CH#U)*, Sep 80 (TOP SECRET [redacted])
(S [redacted] Asian Forces Division, Imagery Exploitation Group, NPIC, were the principal authors of this report. Comments and queries pertaining to this report are welcome. Those pertaining to the Shenyang and Urumqi portions should be directed to [redacted] or green extension [redacted]. Those pertaining to the Beijing and Lanzhou portions should be directed to [redacted] or green extension [redacted].

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